

COMMUNICATION & CONTROL

BROADEST PRODUCT RANGE

Alpha utilizes its broad range of quality hook-up wires in the supply of Communications and Control Cables used for low voltage signal transmission. Considering the unique electrical, chemical and environmental properties for each specific cable type, the proper wires are selected and combined individually or in twisted pairs under a common protective sheath. Configurations range from simple unshielded multiconductor audio and control cables to individually shielded multipair computer cables with controlled impedance and capacitance.

ADVANCED CABLE DESIGN

The growing sophistication of the electronics industry continues to create a need for specially designed cables for use with computer-controlled electrical and electronic equipment. To satisfy requirements for impedance matching, lower bit error rates, lower cross-talk, longer transmission distances and high signal purity (EMI/RFI), Alpha is supplying an expanding family of Communications and Control Cables – in a full range of sizes, colors, insulations and shield types for installation in normal indoor environments.

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LOGICAL SECTION LAYOUT

Alpha's extensive product selection is designed to put reliability at your fingertips and is arranged in a logical manner for your ordering convenience.

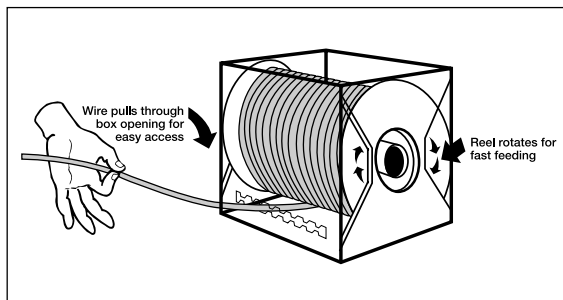
In this section, Alpha Communication and Control Cables are divided into multiconductor and multipair cables. Each category is sub-divided into unshielded and shielded constructions. The shielded products are separated by shield type.

For your convenience we sub-divided even further the plenum multiconductor and multipair cables. Fire alarm cables also categorized to make it easy to locate these special products.

AVAILABILITY

Alpha offers excellent quality, exceptional packaging and "on-the-shelf" inventory.

Alpha Communication and Control Cables are available in several categories of reels and cartons. The availability section on each page will help you to quickly identify the put-up you require. Many products are available in our Alpha QWIK – REEL® configuration.



Product Type	Page Number (s)
MULTICONDUCTOR	
Multiconductor Unshielded	180-186
Multiconductor Foil Shield	187-190
Multiconductor Spiral Wrap Shield	191
Multiconductor Braid Shield	192-206
Multiconductor Braid Shield/ Unshielded Combination	207
Multiconductor Foil/Braid Shield	208-211
MULTIPAIR	
Multipair Unshielded	212
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Multipair Foil/Braid Shield	221-226
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Multipair Individually & Overall Foil Shield	234
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PLENUM	
Multiconductor	236
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HI-FI STEREO CABLES	240
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COMMUNICATION & CONTROL

MULTICONDUCTOR, BRAID SHIELD
PVC/PVC

MIL-W-16878D TYPE B
RoHS COMPLIANT, 600 VOLT

CHARACTERISTICS

OPERATING TEMPERATURE:

- -55°C to 105°C

VOLTAGE RATING:

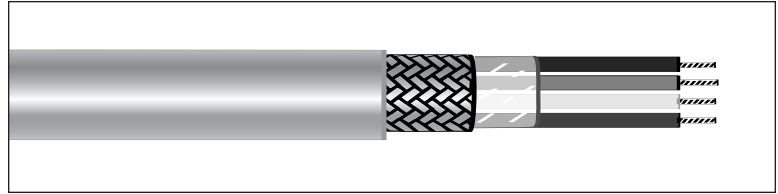
- 600 Volt

COLOR DESCRIPTION:

- Color Code: Chart F Page 376
- Jacket Color: Gray

PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded PVC
- Wrap: Clear Polyester
- Shield: Braided Tinned Copper (90% Coverage)
- Jacket: PVC



28 AWG (0,09mm²), **7/36** (7x0,13mm), Insulation Thickness: **0.010"** (0,25mm)
PVC TYPE B

Alpha Part No.	No. of Cond.	Jacket Thickness		Diameter	
		Inches	mm	Inches	mm
3302	2	0.012	0,30	0.12	3,1
3303	3	0.012	0,30	0.13	3,3
3304	4	0.012	0,30	0.14	3,5
3306	6	0.015	0,38	0.17	4,3
3308	8	0.015	0,38	0.17	4,4
3310	10	0.018	0,45	0.21	5,3
3312	12	0.018	0,45	0.21	5,4
3315	15	0.020	0,50	0.23	5,8
3320	20	0.022	0,55	0.26	6,6

SPECIFICATIONS

- MIL-W-16878D Type B
- RoHS Compliant



AVAILABILITY

- 100 ft (30,5m), 1000 ft (305m) put-ups